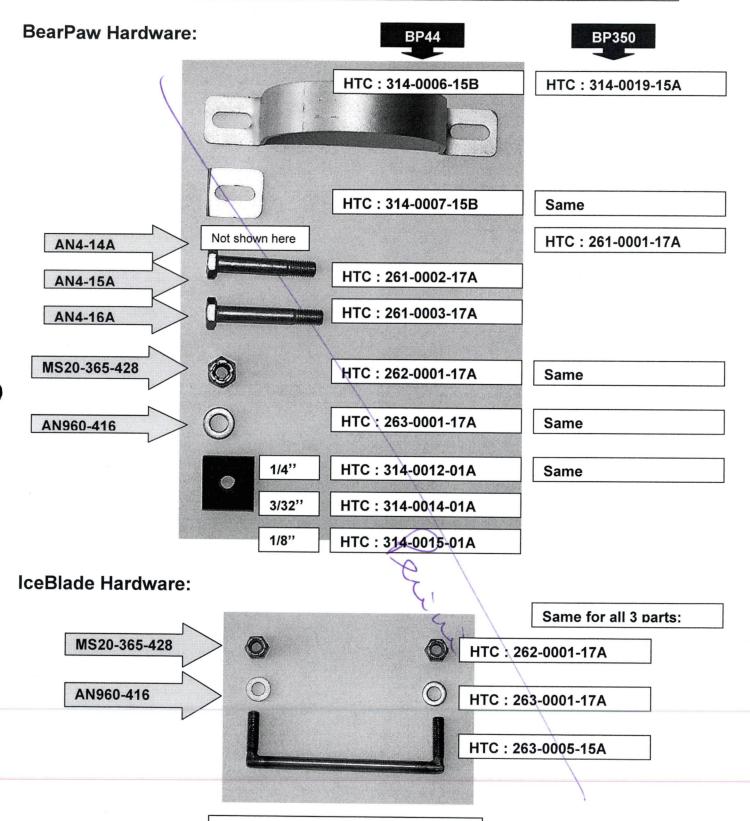


314-0010-00-D BearPaw Hardware components



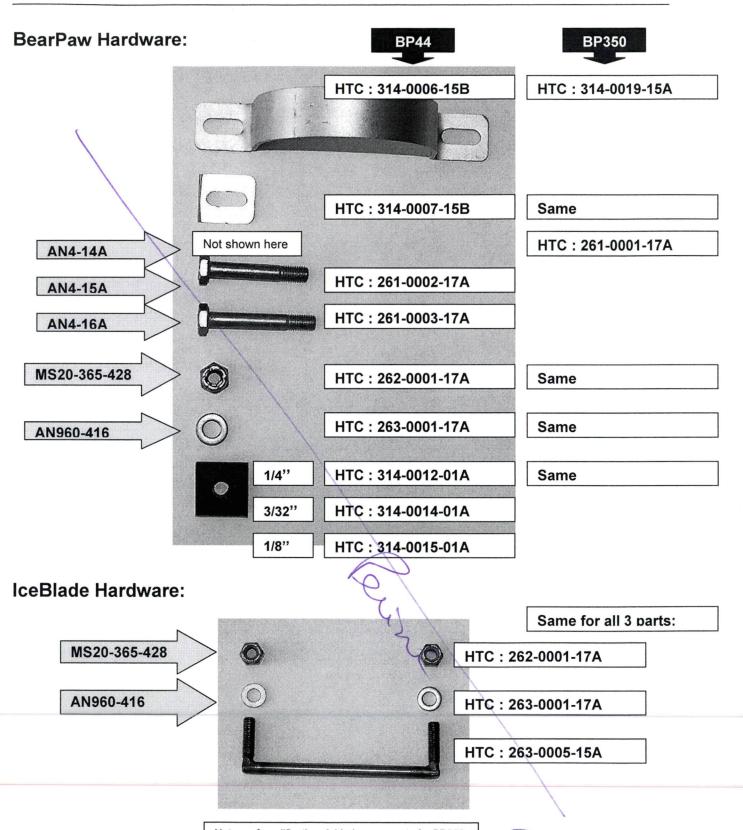
Nature of modification: Added components for BP350

2006.11.24

314-0010-00-D BearPaw Hardware List.doc



314-0010-00-D BearPaw Hardware components



Nature of modification: Added components for BP350

314-0010-00-D BearPaw Hardware List.doc



314-0013-00-B BearPaw Preparation & Packaging

1- Installer Shrink:

- Utiliser Shrink Transparent de largeur 1" en longueurs de 5". Insérer dans U clips.
- Chauffer au four 350deg. durant 30 minutes. (Utiliser papier alum. sur tôle et placer les clips sur leur côté.

2- Inspecter composantes:

- Utiliser plans d'inspection prescrits. (Voir manuel DHR, section intitulée LN)
- Assigner no de lot "LN-yymmdd-xx". (xx étant le séquentiel).

3- Effectuer assemblage des BearPaw:

- Assembler toutes les composantes excluant les Uclips.
- Assembler les IceBlades (si applicable)

4- Inspecter produit fini:

- Utiliser plan d'inspection prescrit. (Voir manuel DHR, section intitulée LNF)
- Assigner no de lot "LNF-yymmdd-xx". (xx étant le séquentiel).

5- Préparer boîte:





- Utiliser Boîte Aubut. 17"x13"x3" (Poids boîte une fois remplie: 5lbs)
- Apposer étiquette 273-0001-04-A sur le côté de la boîte

6- Réaliser emballage:

- Placer le matériel suivant dans deux sacs identifiés des étiquettes appropriées suivantes.
- Insérer quantités tel qu'indiqué entre les parenthèses

U shaped clips (4)

Information Kit

- (1) Installation instruction
- (1) STC Canadian certificate copy SH06-24
- (1) STC FAA certificate copy
- (1) STC EASA certificate copy
- (1) Helitowcart Authorized Release Certificate

2006-09-06

- Froisser papier d'emballage et déposer dans le fond de la boîte
- Déposer les deux pad noirs pré-assemblés
- Déposer le sac de U clips sur les cotés
- Froisser papier d'emballage et déposer sur dessus du matériel
- Déposer le sac de documents (***INCLURE CERTIFICAT DE RELEASE)
- Sceller & Cocher contenu de la boîte sur étiquette de la boîte.
- Si Iceblade s'assurer qu'elles ont été installées.

7- Vérifier documentation & Émettre " Authorized Release Certificate"

- Remplir le formulaire F40-01.
- Assigner bon no de lot deproduit fini (no LNF) et indiquer no séquentiel de certificat (no RC).***

Page 1/1

314-0013-00-B BearPaw Preparation & Packaging Instruction tel: 1-418-561-4512, fax: 1-418-836-2291, 860 Marie-Victorin, Saint-Nicolas, Levis, Quebec, Canada G7A 3S9.



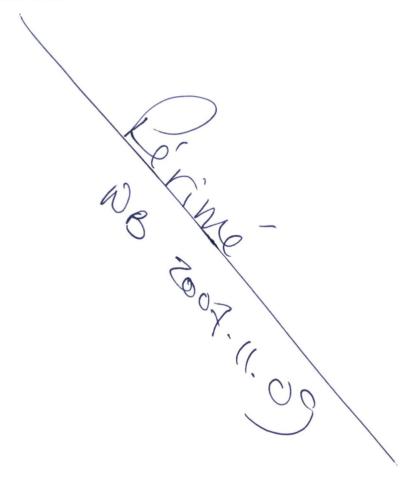
314-0016-05-A BearPaw Heat Shrink Specs & Installation

1- Heat Shrink:

- Brand Alpha Wire, Model FIT-221-1. 1"wide, Clear color
- · Purchased in 1 meter length.
- Material: Polyolefin. A family of thermoplastics based upon the unsaturated hydrocarbons known as olefins. When combined with butylene or styrene polymers, they form compounds such as polyethylene and polypropylene.

2- Install Shrink:

- Cut Shrink in 5" lengths. Insert into U clips.
- Set U clips on their side on aluminum sheet.
- Heat oven to 350F for 30 min.





1- Heat Shrink:

- Brand Alpha Wire, Model FIT-221-1. 1"wide, Clear color
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314-0016-05-A BearPaw BP44 Heat Shrink Specs & Insall

Page 1/1



INSPECTION

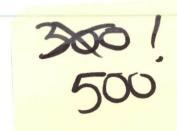
Life Limited Items

Three are no life limited items for the Helitowcart BearPaw.

Pre-Flight

Before each flight the following items should be inspected:

- Check that attachment bolts are installed and secured.
- Check that BearPaws are free from visible damage.
- If damage is found, verify allowable damage according to:
 Table 5 Tolerances for cracks & wear and
 Annex B BearPaw Allowable Damage Drawing (VNR106 page 2 of 2)



Periodic Inspection Schedule

- The Helitowcart BearPaw shall be inspected every 300 flying hours or yearly whichever comes first.
- The Helitowcart BearPaw can be inspected concurrently with the helicopter landing gear inspection.
- Recommended tolerance for performance of inspection is +/- 10% of the 300 hours period.
- Following an inspection, subsequent interval shall be adjusted to meet the original schedule from time
 of inspection. If inspection is performed earlier than the 10% tolerance, then following inspections
 shall be scheduled not to exceed the above mentioned tolerance.

500 Hour or Yearly Inspection Details

- Remove Helitowcart BearPaw: See Section "BearPaw Removal".
- Inspect all parts for damage & wear. See table & figure below for allowable damage,
- · Replace all damaged parts,
- Replace parts worn beyond the tolerances indicated below.
- See Tolerances for cracks & wear:
 Table 5 Tolerances for cracks & wear, &
 Annex B BearPaw Allowable Damage Drawing (VNR106 page 2 of 2)

Table 5 - Tolerances for Cracks & Wear

Zone	Nominal Dimension (Inches)	Allowable Damage/Wear (Inches)	Cracks
Α	0,50	0,050	
В	1,000	0,250	
С	0,375	0,075	Pockets: Cracks are acceptable in the Helitowcart BearPaw pocket areas to a maximum length of 0,5" provided they are 0,25" away from the stiffener radius change. Stop drill cracks with a 0,125" hole.
D	0,50	None	Stiffeners: NO cracks in stiffeners.

Overhaul Requirements

• Not applicable for the designated application of this device.

Page 6 of 11

Certificate of Approval

This is to certify that

LES ENTREPRISES HÉLITOWCART (VANAIR INC.)

whose place of business is located at

860 MARIE - VICTORIN, LÉVIS, QC

Approved Organization

27-06

is approved pursuant to AWM 561 for the

MANUFACTURE and **CERTIFICATION** of:

Aeronautical Products

as specified in the respective Approval Limitation Record that accompanies this certificate.

Souver	in !	
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he	,	

Signed: Camille Girard
For the Minister of Transport

For the Minister of Transport

Dated: 2006-11-30

Supersedes certificate dated:

This Certificate is not transferable. The approval is valid until surrendered, suspended or canceled.





Approval Limitation Record

- Aeronautical Product Category -

LES ENTREPRISES HÉLITOWCART (VANAIR INC.)

the holder of Certificate of Approval Number: 27-06

is limited to the manufacture of:

Product	Model / Part Number	Approval Number	Effective Date	
BEARPAW	HTC-MDL-BP-R44-1000	STC SH06-24	2006-11-30	

Issued: 2006-11-30 Signed: Supersedes certificate dated: Supersedes certificate dated:

For the Minister of Transport





1- Heat Shrink:

- Brand Alpha Wire, Model FIT-221-1. 1"wide, Clear color
- Purchased in 1 meter length.
- Material: Polyoletin. A family of thermoplastics based upon the unsaturated hydrocarbons known as olefins. When combined with butylene or styrene polymers, they form compounds such as polyethylene and polypropylene.

2- Install Shrink:

- Cut Shrink in 5" lengths. Insert into U clips.
- · Set U clips on their side on aluminum sheet.
- Heat oven to 350F for 30 min.

D. Balan 2000-10.03



314-0013-00-C BearPaw Preparation & Packaging

1- Inspecter composantes: (Par Quality System Manager)

Si les lots à utiliser n'ont pas encore été inspectés :

- Utiliser plans d'inspection prescrits. (Voir manuel DHR, section intitulée LN)
- Assigner no de lot "LN-yymmdd-xx". (xx étant le séquentiel).

2- Installer Shrink: (Rar Production Manager)

Utiliser Shrink prescrit :

BP44 : Transparent de largeur 1" en longueurs de 5". BP350 : Noir en largeru de 1" en lngueurs de 6.25"

Insérer dans U clips à l'aide d'eau savonneuse.

Chauffer au four 350deg. durant 30 min.. Utiliser papier alum. sur tôle et placer les clips sur leur côté.

3- Effectuer assemblage des kits. (Par Production Manager)

- Assembler les IceBlades (si applicable)
- Insérer toutes les autres composantes, non assemblées, dans des sacs
- Insérer les deux Pads de bearpaws ainsi que les sacs de composantes dans la boite appropriée
- Bourrer contenu de la boite de papier protecteur (si applicable)
- Apposer étiquette : BP44 : 273-0001-04 , BP350 : 273-0002-04 sur le côté de la boîte

4- Effectuer assemblage documentaire: (Par Quality System Manager)

Assembler dans sacs :

(1) Instruction d'installation

(2) Certificat de manufacturier SH06-24

(3) STC Transport Canada

(4) STC FAA USA

5- Inspecter produit fini: (Par Quality System Manager)

- Utiliser plan d'inspection prescrit. (Voir manuel DHR, section intitulée LNF)
- Assigner no de lot "LNF-yymmdd-xx". (xx étant le séquentiel).
- Effectuer les contrôles prescrits et Enregistrer résultats. Utiliser F40-02 "Release Inspection general"

• Émettre certificat de relâche temporaire pour chaque kit (F40-01 Authorized Release Certificate)

6- Au moment de la vente:

- Émettre certificat de relâche officiel (F40-01 Authorized Release Certificate). (2 copies)
 Données électroniques localisées à : Quality System/ Official Records/ Release Certificates Signer.
- Conserver une copie au DHR, Insérer la seconde dans le sac de documents dans la boite à expédièr.

314-0013-00-C BearPaw Preparation & Packaging Instruction Page 1 sur 1 tel: 1-418-561-4512, fax: 1-418-836-2291, 860 Marie-Victorin, Saint-Nicolas, Levis, Quebec, Canada G7A 3S9.

www.helitowcart.com info@helitowcart.com



Department of Transport

Supplemental Type Certificate

This approval is issued to:

Number: SH06-24

Helitowcart Inc.

Issue No.: 3

860 Marie-Victorin

Approval Date: August 17, 2006

St-Nicholas, Lévis, Québec

Issue Date: July 7, 2011

Canada G7A 3S9

Responsible Office:

Québec

Aircraft/Engine Type or Model:

See Continuation Sheet Page 2 of 2

Canadian Type Certificate or Equivalent:

See Continuation Sheet Page 2 of 2

Description of Type Design Change:

Installation of Helitowcart BearPaw

Installation/Operating Data, Required Equipment and Limitations:

For the Robinson Models R44 and R44 II Helicopters:

Installation of Helitowcart Bear Paw BP44 is to be performed in accordance with TC approved Helitowcart Inc. Master Document List, Report: HTC-MDL-BP-R44-1000, Revision C dated April 15, 2010, or later Transport Canada approved revision.

The BearPaw must be installed in accordance with Helitowcart Inc. Installation Instructions Document: "HTC-314-0011-00-D, BearPaw Model BP44, Installation Instructions – R44".

See Continuation Sheet Page 2 of 2



Conditions: This approval is only applicable to the type/model of aeronautical product specified therein. Prior to incorporating this modification, the installer shall establish that the interrelationship between this change and any other modification(s) incorporated **will not** adversely affect the airworthiness of the modified product.

Jean-Pierre Prancoeur For Minister of Transport

Canadä

(Continuation Sheet)

Number: SH06-24 Issue 3

NOTE: THIS ADDENDUM SHALL REMAIN PART OF THE CERTIFICATE REFERRED TO THEREIN.

Installation/Operating Data, Required Equipment and Limitations (Cont'd):

For the Eurocopter (formerly Aerospatiale) AS350 and AS355 Series Helicopters:

Installation of Helitowcart Bear Paw BP350 is to be performed in accordance with TC approved Helitowcart Inc. Master Document List, Report: HTC-MDL-BP-AS350/355-1000, Revision F dated April 8, 2010, or later Transport Canada approved revision.

The BearPaw must be installed in accordance with Helitowcart Inc. Installation Instructions Document: "HTC-314-0020-00-E, BearPaw Model BP350, Installation Instructions – AS350/355".

For the Eurocopter EC 130 Helicopters:

Installation of Helitowcart Bear Paw BP130 is to be performed in accordance with TC approved Helitowcart Inc. Master Document List, Report: HTC-MDL-BP-EC130-1000, Revision A dated May 13, 2011, or later Transport Canada approved revision.

The BearPaw must be installed in accordance with Helitowcart Inc. Installation Instructions Document: "HTC-314-0031-00-A, BearPaw Model BP130, Installation Instructions – EC 130".

	Fleet Eligibility List		
Make	Model	Type Certificate Data Sheet	
Robinson	R44	H-97	
Robinson	R44 II	H-97	
Eurocopter	AS 350 B	H-83	
Eurocopter	AS 350 B1	H-83	
Eurocopter	AS 350 B2	H-83	
Eurocopter	AS 350 B3	H-83	
Eurocopter	AS 350 BA	H-83	
Eurocopter	AS 350 D	H-83	
Eurocopter	EC 130 B4	H-83	
Eurocopter	AS 355 E	H-87	
Eurocopter	AS 355 F	H-87	
Eurocopter	AS 355 F1	H-87	
Eurocopter	AS 355 F2	H-87	
Eurocopter	AS 355 N	H-87	



Department of Transport

Supplemental Type Certificate

This approval is issued to:

Number: SH06-24

Issue No.:

Approval Date: August 17, 2006

Issue Date: December 19, 2006

Helitowcart Inc

860 Marie-Victorin

St-Nicholas, Levis, Quebec

Canada G7A 3S9

Responsible Office:

Aircraft/Engine Type or Model:

Canadian Type Certificate or Equivalent:

Description of Type Design Change:

Installation/Operating Data, Required Equipment and Limitations: Quebec

See Continuation Sheet Page 2 of 2

See Continuation Sheet Page 2 of 2

Installation of Helitowcart BearPaw Model BP350

errection Engl

For the Robinson Models R44 and R44 N Helicopters:

Installation of Helitowcart Bear Paw Model \$1350 is to be performed in accordance with TC approved Helitowcart Inc. Master Document List, Report: HTC-MDL-BP-R44-1000, Revision NC dated August 8, 2006, or later Transport Canada approved revision.

The BearPaw must be installed in accordance with Helitowcart Inc. Installation Instructions Document: "314-0011-00-A, BearPaw Model BP44, Installation Instructions - R44" as specified by Helitowcart Inc. Master Document List, Report: HTC-MDL-BP-R44-1000.

See Continuation Sheet Page 2 of

Conditions: This approval is only applicable to the type/model of aeronautical product specified therein. Prior to incorporating this modification, the installer shall establish that the interrelationship between this change and any other modification(s) incorporated will not adversely affect the airworthiness of the modified product.

For Minister of Transport

Fine & Ruhard



Number: SH06-24 Issue 2

NOTE: THIS ADDENDUM SHALL REMAIN PART OF THE CERTIFICATE REFERRED TO THEREIN.

Installation/Operating Data,
Required Equipment and Limitations (Cont'd):

For the Eurocopter (formerly Aerospatiale) AS350 and AS355 Series Helicopters:

Installation of Helitowcart Bear Paw Model BP350 is to be performed in accordance with TC approved Helitowcart Inc. Master Document List, Report: HTC-MDL-BP-AS350/355-1000, Revision A dated November 22, 2006, or later Transport Canada approved revision.

The BearPaw must be installed in accordance with Helitoweart Inc. Installation Instructions Document: "314-0020-00-A, BearPaw Model BP350, Installation Instructions - AS350/355" as specified by Helitoweart Inc. Master Document List, Report: HTC-MDL-BP-AS350/355-1000.

	Fleet Eligibility List		
Make	Model	Type Certificate Data Sheet	
Robinson	R44	H-97	
Robinson	R44 II	H-97	
Eurocopter	AS 350 B	H-83	
Eurocopter	AS 350 B1	H-83	
Eurocopter	AS 350 B2	H-83	
Eurocopter	AS 350 B3	H-83	
Eurocopter	AS 350 BA	I-I-83	
Eurocopter	AS 350 D	H-83	
Eurocopter	AS 350 D1	H-83	
Eurocopter	AS 355 E	H-87	
Eurocopter	AS 355 F	H-87	
Eurocopter	AS 355 F1	H-87	
Eurocopter	AS 355 F2	H-87	
Eurocopter	AS 355 N	H-87	



Department of Transport

Supplemental Type Certificate

This approval is issued to:

Number: SH06-24

Helitowcart Inc.

Issue No.:

860 Marie-Victorin

Approval Date:

August 17, 2006

St-Nicholas, Levis, Quebec

Issue Date: December 19, 2006

Canada G7A 3S9

Responsible Office:

Ouebec

Aircraft/Engine Type or Model:

See Continuation Sheet Page 2 of 2

Canadian Type Certificate or Equivalent:

See Continuation Sheet Page 2 of 2

Description of Type Design Change:

Installation of Helitowcart BearPaw Model BP350

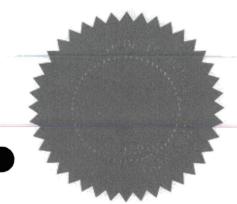
Installation/Operating Data, Required Equipment and Limitations:

For the Robinson Models R44 and R44 II Helicopters:

Installation of Helitowcart Bear Paw Model BP350 is to be performed in accordance with TC approved Helitowcart Inc. Master Document List, Report: HTC-MDL-BP-R44-1000, Revision NC dated August 8, 2006, or later Transport Canada approved revision.

The BearPaw must be installed in accordance with Helitowcart Inc. Installation Instructions Document: "314-0011-00-A, BearPaw Model BP44, Installation Instructions – R44" as specified by Helitowcart Inc. Master Document List, Report: HTC-MDL-BP-R44-1000.

See Continuation Sheet Page 2 of 2



Conditions: This approval is only applicable to the type/model of aeronautical product specified therein. Prior to incorporating this modification, the installer shall establish that the interrelationship between this change and any other modification(s) incorporated will not adversely affect the airworthiness of the modified product.

> Pierre G. Richard For Minister of Transport

Rive D. Richard



Number: SH06-24 Issue 2

NOTE: THIS ADDENDUM SHALL REMAIN PART OF THE CERTIFICATE REFERRED TO THEREIN.

Installation/Operating Data, Required Equipment and Limitations (Cont'd):

For the Eurocopter (formerly Aerospatiale) AS350 and AS355 Series Helicopters:

Installation of Helitowcart Bear Paw Model BP350 is to be performed in accordance with TC approved Helitowcart Inc. Master Document List, Report: HTC-MDL-BP-AS350/355-1000, Revision A dated November 22, 2006, or later Transport Canada approved revision.

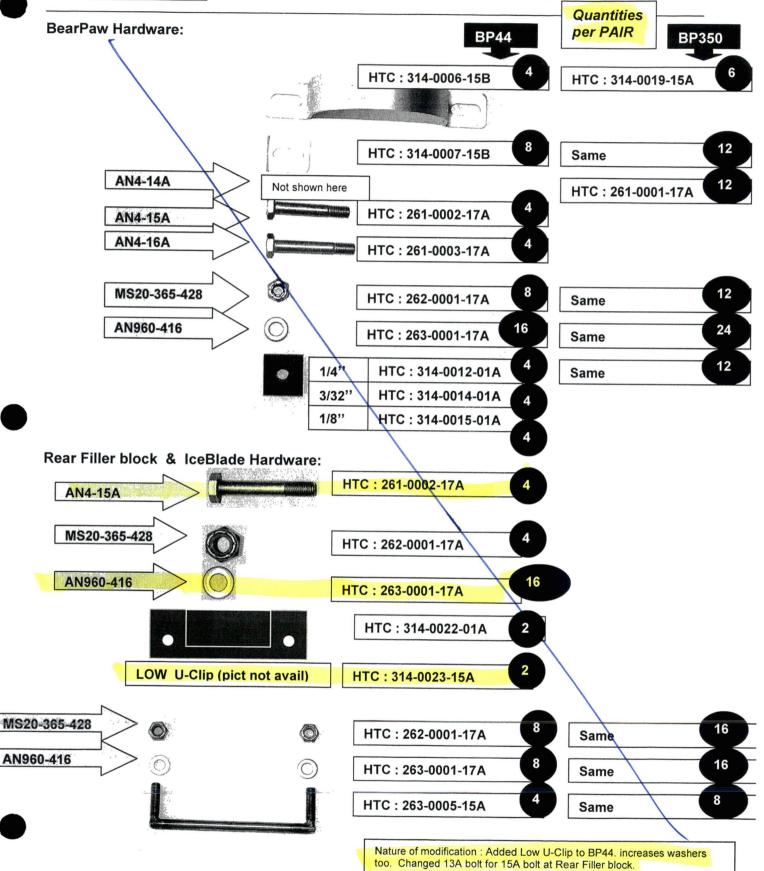
The BearPaw must be installed in accordance with Helitowcart Inc. Installation Instructions Document: "314-0020-00-A, BearPaw Model BP350, Installation Instructions – AS350/355" as specified by Helitowcart Inc. Master Document List, Report: HTC-MDL-BP-AS350/355-1000.

Fleet Eligibility List		
Make	Model	Type Certificate Data Sheet
Robinson	R44	H-97
Robinson	R44 II	H-97
Eurocopter	AS 350 B	H-83
Eurocopter	AS 350 B1	H-83
Eurocopter	AS 350 B2	H-83
Eurocopter	AS 350 B3	H-83
Eurocopter	AS 350 BA	H-83
Eurocopter	AS 350 D	H-83
Eurocopter	AS 350 D1	H-83
Eurocopter	AS 355 E	H-87
Eurocopter	AS 355 F	H-87
Eurocopter	AS 355 F1	H-87
Eurocopter	AS 355 F2	H-87
Eurocopter	AS 355 N	H-87

- End -



314-0010-00-H **BearPaw Hardware components**



314-0010-00-H bearpaw hardware list.doc

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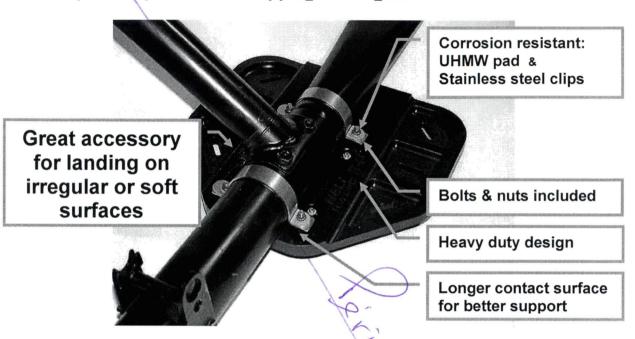
Sarlan 2010.04.23

BearPaw



For Robinson 44 helicopters

Competitive prices & Shipping overnight!



Model	Description
BP44	Helitowcart BearPaw for Robinson 44
OIB44	Option IceBlades for BearPaw



New Option: Iceblades For safer take-off and landing on icy surfaces.

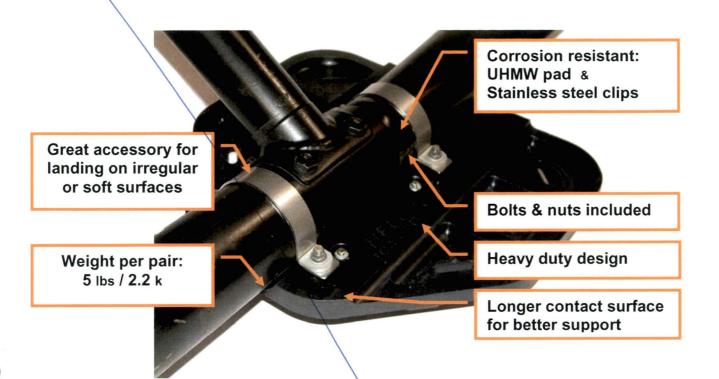
www.helitowcart.com

+1.418.561.4512 in Canada





BearPaw BP44 For Robinson 44



Model	Description
BP44	Helitowcart BearPaw for Robinson 44
OIB	Option loeBlades for BearPaw
Approval	Description
Canada	STC SH-06-24
USA	SR02432NY\
Europe	Pending

IceBlades

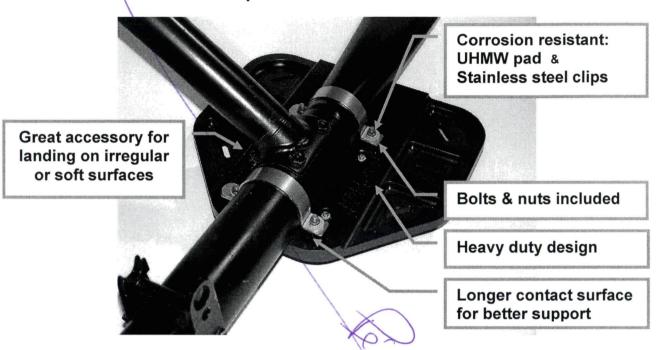


b BEARPAW 44 (2007 09 16) / Printed in Canada

BearPaws



For Robinson 44 helicopters



Model	Description	
BP44	Helitowcart BearPaw for Robinson 44	
OIB44	Option IceBlades for BearPaw	
Approval	Description	
Canada	STC SH-06-24	
USA	pending	
Europe	pending	

IceBlades



Great Option!
Stainless Steel rod
to keep helicopter
form skidding on
clear ice

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